VideoMate U80
USB 2.0 DVB-T Stick
Start Up Guide

Compro Technology, Inc.
www.comprousa.com

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About This Guide

VideoMate U80 lets you watch and record digital terrestrial TV broadcast on your computer or laptop. It can efficiently capture digital terrestrial TV broadcast programs from your area. VideoMate U80 features a TV tuner for digital TV broadcast, Digital Video Recording (DVR) functions, scheduled recording at anytime, crystal video quality, and intelligent TV viewing.

MINIMUM SYSTEM REQUIREMENTS

Your PC must meet or exceed the following system requirements to watch TV on your PC.

- PIII 1.7 GHz CPU for TV viewing
- 512 MB RAM
- Available USB 2.0 ports (USB 2.0 only)
- Sound card or on-board sound chip
- Graphics Card or on-board graphics supports DirectX 9.0
- CD-ROM for software installation.
- Windows XP SP2 or above installed.
- 150 MB free disk space for basic software installation.

RECOMMENDED SYSTEM REQUIREMENTS

To use all the features of VideoMate U80, your PC should meet the following requirements.

- 2.6 GHz CPU with SSE 2 support for DVD recording and timeshifting
- 3.0 GHz CPU with SSE 2 support for HDTV/TS viewing/recording and PIP
- Intel Core 2 Duo 2.0GHz or above for H.264 viewing/recording
- 1GB RAM
- Sound card or on-board sound chip
- Available USB 2.0 ports
- CD-ROM for software installation
- Graphics Card or on-board graphics supports DirectX 9.0
- Windows Vista x86/x64
- Update the latest drivers of VGA, motherboard, and soundcard from vendors.
- 150 MB free space for software installation

VideoMate U80 Package Contents

VideoMate U80
DVB-T stick

USB 2.0 cable

Software CD

Start Up Guide

Installation

Start the computer. Make sure *VideoMate U80* is connected to your computer and insert the installation CD into your CD drive.

Step 1. After restarting, Windows will detect a new device and start the Add/Remove Hardware Wizard, please press **Cancel** and go to the next step.

Step 2. Insert the installation CD into your CD drive. If you have Autorun enabled, the installer will start automatically. (If Autorun is disabled, double-click on “setup.exe” on the installation CD.) You can choose **Complete** to install all necessary software (VideoMate U80 drivers, and ComproDTV) or choose **Custom** to select item by item. Compro recommends you choose **Complete**.

Step 3. Press **Next** to install ComproDTV,

Step 4. After each program is successfully installed, press **Finish** to proceed.

Step 5. When installation completes, press **Finish** to restart computer.

Step 6. Connect the digital or analog TV signal and open ComproDTV to enjoy the show.

ComproDTV Vista Gadget Tool for Vista

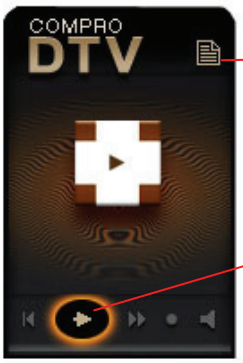
The Compro gadget tool is designed to provide the more convenient TV experience in Windows Vista. It will be installed from the Compro installation CD, and you can delete and add it from gadget setup.

Note

1. Vista Gadget is meant for Vista 32 bit operation system only.
2. Vista Gadget Tool needs the channel table from ComproDTV 4. Please autoscan all the available digital TV channels in ComproDTV 4. Then you can use the Vista Ggadget Tool.
3. If there is no picture when you click the live TV button, please right-click the mouse button and select the video source you want.

UI Control

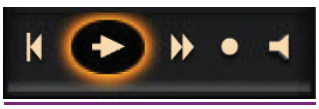
DTV Gadget has three modes including **Live TV mode, display playlist, and display scheduled list**.



This button can change modes between Live TV, display playlist and schedule list

Press the button to load device and start to play live TV

The buttons from left to right sides are:



Channel down in live TV mode
Start/Stop Live TV, Play/pause from playlist
Channel Up in live TV mode
Start/stop record live TV
Mute

Playlist mode: It just displays first eight files in the list you recorded, if there are more than eight files in folder, the ninth file or rest of files will not be display. The figure in below shows the playlist style:

5 files and 3 empty items in list

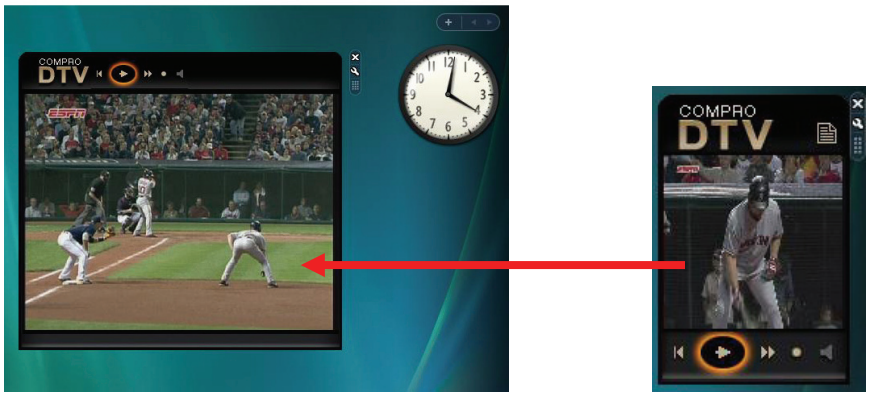
If clicking any files, the gadget will change to play mode from playlist mode, then playing the file you clicked.

Scheduler list mode: This mode will display the top 5 of your current scheduled list, you can click any of the scheduled item and check the detail information of it.

The last mode is schedule view which has two different parts. First, there is a table that has five rows; it means that schedule view will allow the first five schedules in the list. Second, if clicking the item, it will change to another part, which show in detail about the schedule you clicked. Clicking again will go back to first part. The process showed as below:

Dock and Undock Gadget Window:

Only docked gadget has three modes, the undocked gadget only support live TV/playback video mode, and its size is bigger than docked one. You can direct drag the gadget window to the other place out the sidebar and shows the bigger undock window to watch TV or playback recorded video files.

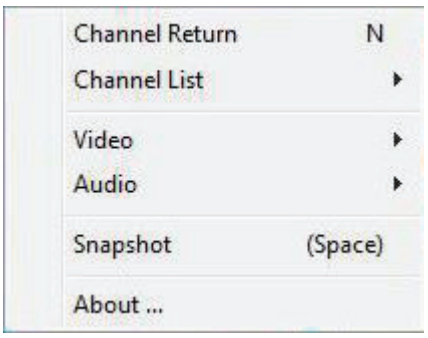


Directly drag gadget windows out the sidebar and shows the bigger window

Because undocked gadget lacks playlist, if you wants to play a file in undocked mode, you can drop a file into the window of gadget to play a file .(in docked mode, you can also play a file by dropping a file into gadget) The control of button in undocked mode is the same as docked mode.

Pop Menu

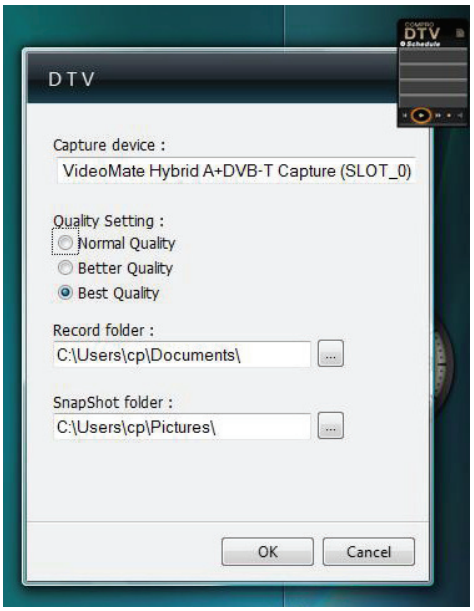
Click the right mouse button on the gadget window; it will open the pop menu for selection. You can return to last channel, autoscan available channels, select channel to watch from channel list, select video source, adjust audio volume, or snapshot TV screen.



Gadget Settings

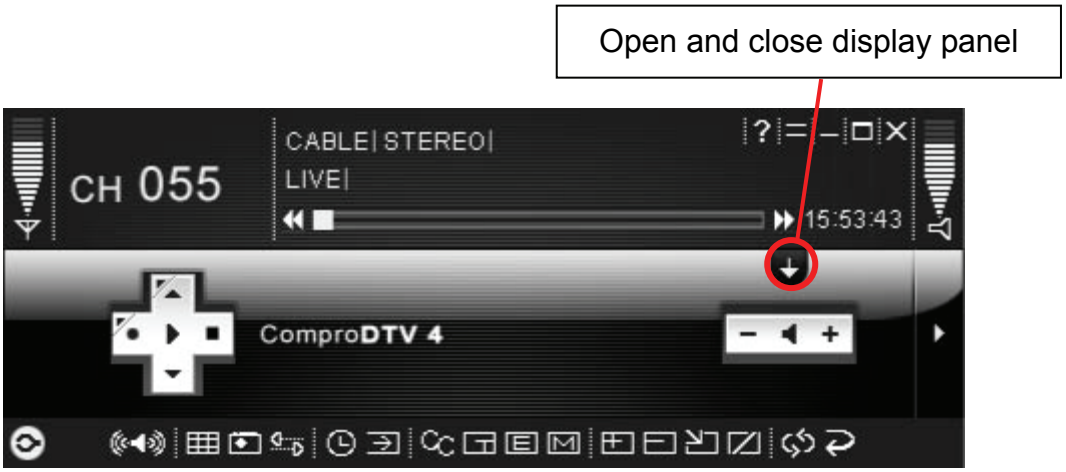
Settings of gadget have four parts included:

- Capture device : to select capture devices.
  (when running gadget first time or having more than one device, this item is needed)
- Quality setting : to select recording quality
  Normal, Better, Best Quality
- Record folder: a directory to place recorded files.
- Snapshot folder: a directory to place picture.



Open and close the ComproDTV 4 display panel

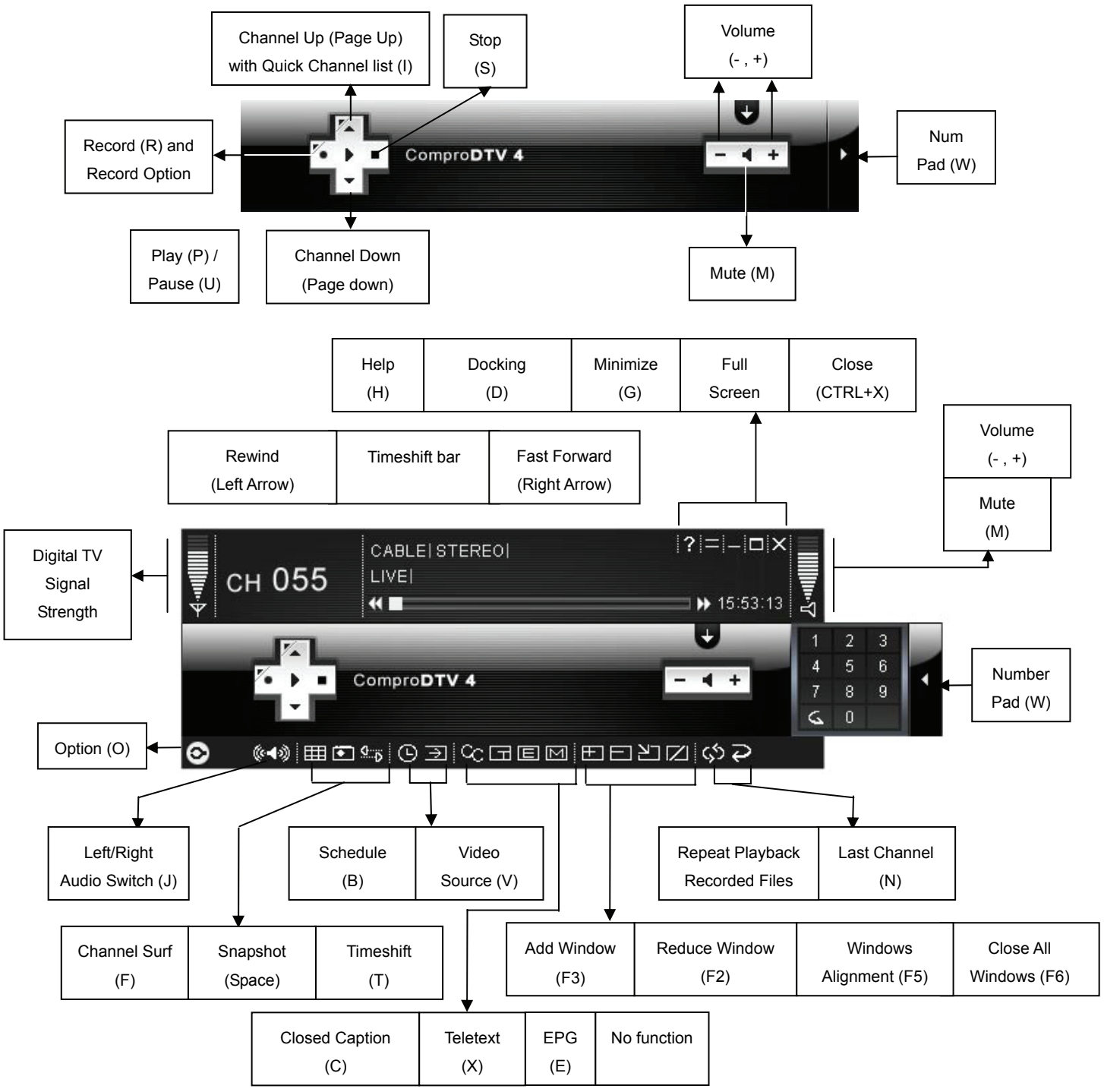
You can open and close the ComproDTV 4 display window by click the down arrow on the right of ComproDTV panel.

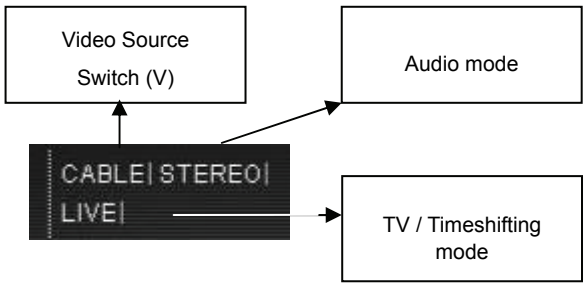


ComproDTV 4

Control Panel

The ComproDTV 4 control panel resembles the controls on a VCR. Please note that not all options are available at all times, and may be grayed out or inaccessible depending on your hardware setup and TV services available. The following figure gives you the function of the button with (Hot key)





HotKey	Description
A	Enable/Disable Always-on-Top function for TV window.(Oregon circle on the upper-right corner of the TV window)
L	Sleep function
F7	Video Desktop
F8	Open snapshot dialog box

Note: Language select is only available while the program supports it.

Start ComproDTV 4 and watch TV

After installation, just press the yellow button of the last line on the remote or double click the ComproDTV 4 icon on the desktop, you will be able to watch TV. Same as operating a normal TV set. Watch TV programs on your PC, in full-screen mode or in a window. Channel up and down. Close ComproDTV 4 and even shutdown the computer with the full function remote control keypad.

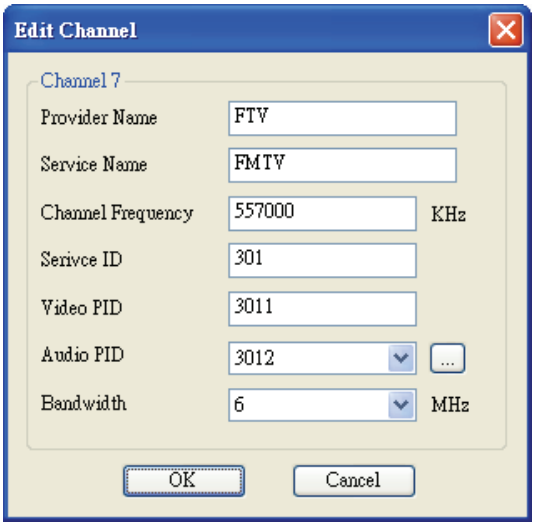
Options

Press the Options button to open the Options dialog box. You can change detail settings of ComproDTV 4 here.

TV Settings

This option gives you the way to manually set the method of scanning TV programs. Select your choice here or use default channel table to do the scanning.

Autoscan



The first time you start ComproDTV 4, Autoscan will automatically scan for available TV channels for TV signals. Please select your TV source from analog cable/antenna or from digital antenna. You can rescan the channels at any time by pressing the **Autoscan** button.

When **Autoscan** is finished, detected channels are automatically enabled and marked with the green check mark . Channels, where a valid signal could not be detected, are disabled and marked with a blank. However, you

can interrupt the scanning process by pressing the **Stop** button.

After you are finished scanning for available channels, you may select **OK** to return to the display window, or customize the channel list according to your preferences, as described below.

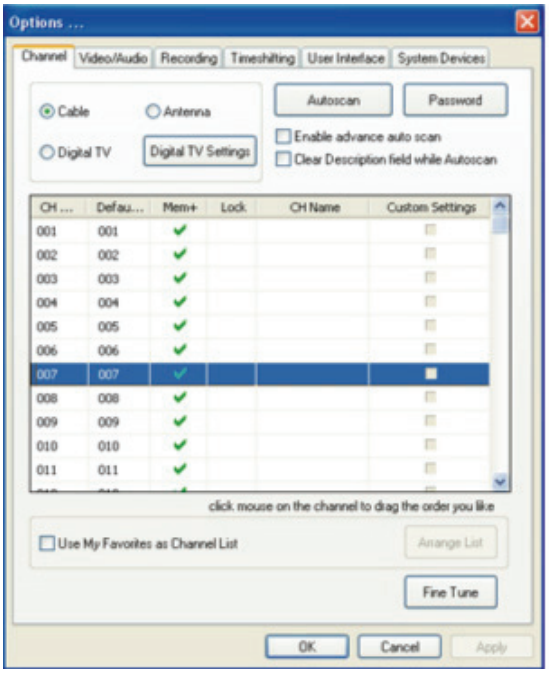
Channel Naming

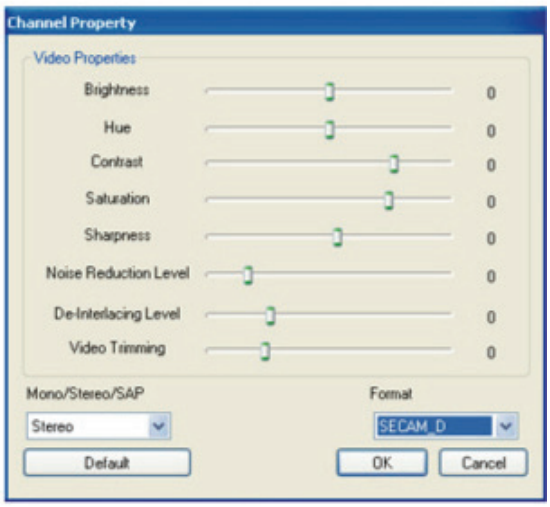
You can customize the channel names by double-click on the **Description field** of the channel you wish to rename.

You can do more changes on the channel's property by right-click the mouse on the **Description field** of the channel you wish to edit.

Custom Settings for each channel

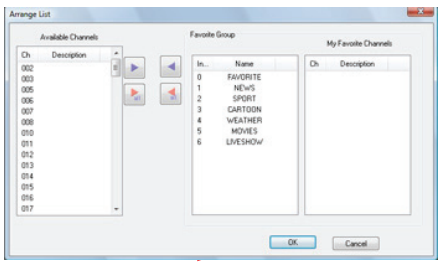
You can customize each channel properties by click the icon in "Custom Settings" filed and edit it.



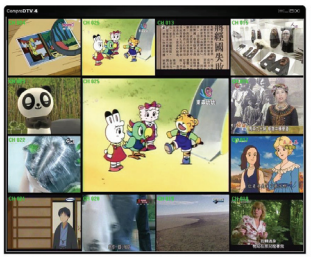


Using my favorite channel list

You can click to select using my favorite channel list from option window. And exit the list by yourselves to makes channel switch more convenient.



Channel Surfing



While watching TV, the channel surfing feature displays a 4x4 grid of channel images to give you an overview of available programming. Double click the channel screen can direct jump to the channel you want.

PIP/POP mode

Usually, digital TV station broadcasts multiple programs on one frequency. Therefore, ComproDTV 4 in U80 TV stick supports up to 1 main DVB-T channel windows, 3 sub channel windows, and playback recorded video file at the same time if available.

You can press the **Add/Reduce Window** button to open a slave window for that. Please see the following picture.

Main window has all features while slave window has limited functions only. Double-click on the slave window can switch the TV program to the main window. **Alignment Window** button will put slave window(s) into main window which is convenient for you to watch multiple programs on full screen mode.

The buttons on the upper-left corner slave window are Channel Up, Channel Down, Mute, Windows Alignment, and Close respectively. Slave window can be resized by mouse dragging lower-left corner to any ratio.

Video Desktop

While watching TV, you may right-click on the TV screen and select video on desktop or press the hotkey (F7) to activate Video Desktop mode. This mode makes the video source as your desktop screen. It is similar with full screen but the desktop icons and taskbar will remain on top. The following picture shows the TV on the desktop.

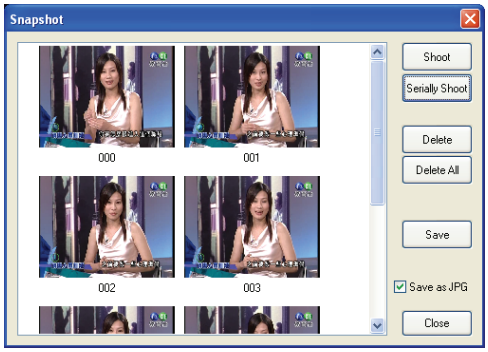
For the Video Desktop feature, you needs to enable the "Use Overlay Surface" feature in the setup dialog box of Option→Video/Audio.

Right-Click Mouse Menu

If using mouse to right-click on the TV screen, you can see a menu pop up. There are many useful options for your convenience.

Still Image Capture

Click on the capture icon on the control panel or hit the "Space Bar" of the keyboard shortcut to capture an image of the display window. You can see the screen capture dialog as below. You can setup to save it as jpg or bmp format in the ComproDTV option → interface. And also setup the picture compress quality in jpg file.



Recording

ComproDTV 4 supports H.264, MPEG-2 and Transport Stream formats recording in digital TV.

To instantly start recording:

Press the **Record** button . ComproDTV 4 starts recording the video source currently showing in the display window. It will save it to a file on your disk. **If you already start recording, you still can click the record button to setup 30, 60, 90, and 120 minutes recording immediately. Thus, you can go out without worry about the record still ongoing.**

Press the Stop button to stop recording. ComproDTV 4 will save it automatically and show the file name on the screen.

You can also use the schedule recording by press **Schedule** button on control panel of ComproDTV 4.

Timeshifting

Timeshifting temporarily saves the video to your hard disk for a specified period of time so that you can pause, replay, or skip commercials during live TV, without interrupting an ongoing recording session.

Press the **Timeshifting** button and the Time Monitoring bar will appear.

You may also press the **Advance** (for commercial skip) and **Replay** (for instant replay) buttons on the control panel or remote control to navigate through the program. When you return to your seat, you can resume viewing the program from the point when you left.

Troubleshooting

Troubleshooting steps

If you have problem installing or running VideoMate U80, please check the following by step:

OS issue: VideoMate U80 has to work on USB 2.0 interface. Note only Windows XP SP2 or Vista support USB 2.0. You are welcome to www.WindowsUpdate.com website for the Service Pack update of Microsoft.

USB 2.0 issue: you need to check your computer has USB 2.0 or not. Usually you will see “USB 2.0 Root Hub” device in the "Sound, video and game controllers" section of Windows Device Manager.

Driver issue: You should see " VideoMate U80 " drivers, in the "Sound, video and game controllers" section of Windows Device Manager. If these drivers are not there, reinstalling the VideoMate U80 drivers can help.

Power Issue: VideoMate U80 takes power from the USB port. **Note:** PCMCIA and USB hub won’t provide enough power so that you have to use the kind of PCMCIA and USB hub which has power adapter included.

Sometimes plugging in another USB port may help. Some motherboards and notebook’s USB ports do not meet the USB standard providing the standard 5V 500mA power. In these cases, VideoMate U80 will not have enough power to work. Please contact computer vendor for the issue.

Video OK / No Audio:

Make sure the audio device is “Your sound card device” in the System Device in Settings of ComproDTV. Also, you have to select the audio source to be “WAVE” in the System Device in Settings of ComproDTV.

Check that the sound is not muted or volume too low in the Windows Volume Control dialog. (Double-click on the speaker icon in the system tray.)

Check that the sound is not muted or volume too low in the Windows Volume Control dialog. (Double-click on the speaker icon in the system tray.)

Sometimes updating the sound card driver from vendor or VideoMate U80’s software from www.comprousa.com may help as well.

No sound on the recorded file: Please see above “Video OK / No Audio.” on the number 5.

Playback lags: VideoMate U80 needs CPU resources to do the encoding. Therefore, the lags come when CPU fails to encode in real time. Usually, VCD quality needs about 1.7 GHz CPU for recording while DVD quality needs about 2.4G CPU for recording. Press Ctrl + Alt + Del to check your CPU usage. If it reaches 100%, then the lag is inevitable.

TV is not clear: Sometimes the signal could be reduced by the branching. Please make sure the cable signal is good. Try to move the computer to a TV set and connect the cable which is being used for the TV set. Also directly connecting the cable before the splitter may help. This problem could also come from static. Once you connect the cable to our TV card, the static interferes with the system. It's possible to correct this problem by connecting a wire from the grounding of the cable to ground. Also make sure computer grounding is good.

Other issue: Please go to our website for the latest software update. Many problems may be fixed on the newer software version. You are welcome to visit our website at http://www.comprousa.com/support

No digital broadcast signal

In order to receive digital terrestrial TV broadcasts, an antenna is crucial. Digital terrestrial TV broadcast uses about the same wave frequencies as analog TV (UHF). It's recommended to have a fishbone-like antenna (see figure) on the roof for reception.

Make sure you position the antenna in the direction of the TV broadcast base. Adjust the position for the best reception.

Digital terrestrial TV's determined by government policy. The broadcast bases will be increased in order to cover the entire country. Please check the related government website for more information about the strength of digital terrestrial TV broadcast in your area.

You can check how good the signal is in your location by performing a simple test. Please plug in the antenna into an analog TV set. Then check if this TV set can receive a good TV signal. If the picture is not clear, the digital terrestrial TV broadcast signal is about the same. The difference is when the program data is not sufficient, you may see a blank screen or the video will be scrambled.

Note

Digital TV broadcast is different than normal analog TV. You will see no picture instead of noisy or blurred picture when the signal is too weak. Make sure you have a good antenna and strong digital TV signal in your location. Or you will have no TV picture at all.

Contacting Compro Technical Support

If above doesn't help, please check support FAQs (Frequently Asked Questions) on our web site http://www.comprousa.com/support

You are welcome to download the latest software from our website as well. Most problems may be solved on the updates. When contacting Compro for technical support, please use the Compro support request form and provide as much of the requested information as possible. Please write the details in order to determine the problem. And also provide the product serial number (15 digits numbers) on the VideoMate U80. Please use the form from

http://www.comprousa.com/support/form.htm.

We will get back to you as soon as possible.